

## ABSTRACT

~~The invention relates to a~~ A method for controlling the transmission of data via data connections associated with different applications, by means of a transmission medium in ~~an especially a~~ local network ~~comprising~~ having at least two stations for data transmission. ~~According to the invention, different~~ Different priorities and different parameters characterizing a quality of service are associated with the applications. The establishment, by a first station, of a new data connection associated with a first application is limited according to the available free channel capacity of the transmission medium and the use of the transmission medium by existing data connections having associated applications containing a priority corresponding to the first application.